



It is claimed:

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1. In a wireless network system comprising a wired backbone network, an
access point, and one or more associated wireless unit data coupled to the access point
by way of a wireless transmission medium, a method of enabling fragmentation of data
packet above a fragmentation threshold in said one or more wireless units, comprising
transmitting a message to said one or more wireless unit having a first control data that
causes said one or more wireless units to implement fragmentation threshold in
transmitting data packets to said access point.

- 1 2. The method of claim 1, wherein said message comprises a multicast data packet intended for said one or more associated wireless units.
- 1 3. The method of claim 1, wherein said message further includes a specified fragmentation threshold to be used by said one or more wireless units.
- 4. The method of claim 1, wherein said message further includes a second control data that causes said one or more wireless units to use request to send (RTS) and clear to send (CTS) in the transmission of data to said access point.
  - 5. An access point having a logic circuit to transmit a message to one or more associated wireless unit, wherein said message includes a first control data that causes said one or more associated wireless units to implement fragmentation threshold in transmitting data packets to said access point.
  - 6. The access point of claim 5, wherein said message comprises a multicast data packet intended for said one or more associated wireless units.
- The access point of claim 5, wherein said message further includes a specified fragmentation threshold to be used by said one or more wireless units.

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- 8. The access point of claim 5, wherein said message further includes a second control data that causes said one or more wireless units to use request to send (RTS) and clear to send (CTS) in the transmission of data to said access point.
- 9. A machine readable medium including a software routine to control a 1 2 logic circuit to transmit a message to one or more associated wireless unit, wherein said message includes a first control data that causes said one or more associated wireless units to implement fragmentation threshold in transmitting data packets to said access 4 point.
- The machine readable medium of claim 9, wherein said message 10. 1 comprises a multicast data packet intended for said one or more associated wireless 2 3, units:
- The machine readable medium of claim 9, wherein said message further 11. 1 includes a specified fragmentation threshold to be used by said one or more wireless 2 3 units.
  - The machine readable medium of claim 9, wherein said message further 12. includes a second control data that causes said one or more wireless units to use request to send (RTS) and clear to send (CTS) in the transmission of data to said access point.
    - 13. A wireless unit, comprising:
  - a wireless transceiver to communicate with an access point via a wireless transmission medium; and
  - a logic circuit to receive a message from said access point by way of said wireless transceiver, wherein said message includes a first control data that causes said logic circuit to implement fragmentation threshold in transmitting data packets to said access point.

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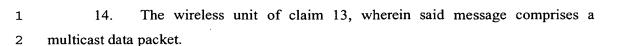
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- 15. The wireless unit of claim 13, wherein said message further includes a specified fragmentation threshold to be used by said logic circuit in implementing said fragmentation threshold.
- 1 16. The wireless unit of claim 13, wherein said message further includes a second control data that causes said logic circuit to use request to send (RTS) and clear to send (DTS) in the transmission of data to said access point.
  - 17. In a wireless network system comprising a wired backbone network, an access point, and one or more associated wireless unit data coupled to the access point by way of a wireless transmission medium, a method of enabling request to send (RTS) and clear to send (CTS) data transmission in said one or more wireless units, comprising transmitting a message to said one or more wireless unit having a first control data that causes said one or more wireless units to implement RTS/CTS in transmitting data packets to said access point.
  - 18. The method of claim 17, wherein said message comprises a multicast data packet intended for said one or more associated wireless units.
- 1 19. The method of claim 17, wherein said message further includes a second control data that causes said one or more wireless units to implement fragmentation threshold in transmitting data packets to said access point.
- 1 20. The method of claim 19, wherein said message further includes a specified fragmentation threshold to be used by said one or more wireless units.
- 1 21. An access point having a logic circuit to transmit a message to one or 2 more associated wireless unit, wherein said message includes a first control data that





- 3 causes said one or more associated wireless units to implement RTS/CTS in 4 transmitting data packets to said access point.
- 1 22. The access point of claim 21, wherein said message comprises a multicast data packet intended for said one or more associated wireless units.

1 23. The access point of claim 21, wherein said message further includes a 2 second control data that causes said one or more wireless units to implement 3 fragmentation threshold in transmitting data packets to said access point.

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1 24. The access point of claim 23, wherein said message further includes a specified fragmentation threshold to be used by said one or more wireless units.

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- 25. A machine readable medium including a software routine to control a logic circuit to transmit a message to one or more associated wireless unit, wherein said message includes a first control data that causes said logic circuit to implement RTS/CTS in transmitting data packets to said access point.
- 1 26. The machine readable medium of claim 25, wherein said message 2 comprises a multicast data packet intended for said one or more associated wireless 3 units.
- 1 27. The machine readable medium of claim 25, wherein said message 2 further includes a second control data that causes said one or more wireless units to 3 implement fragmentation threshold in transmitting data packets to said access point.
- 1 28. The machine readable medium of claim 27, wherein said message 2 further includes a specified fragmentation threshold to be used by said one or more 3 wireless units.

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- a wireless transceiver to communicate with an access point via a wireless transmission medium; and
- a logic circuit to receive a message from said access point by way of said wireless transceiver, wherein said message includes a first control data that causes said one or more associated wireless units use request to send (RTS) and clear to send (HTS) in the transmission of data to said access point.
- 1 30. The wireless unit of claim 29, wherein said message comprises a multicast data packet.
- 1 31. The wireless unit of claim 29, wherein said message further includes a 2 second control data that causes said logic circuit to implement fragmentation threshold 3 in transmitting data packets to said access point.
  - 32. The wireless unit of claim 31, wherein said message further includes a specified fragmentation threshold to be used by said logic circuit in implementing fragmentation threshold,